STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF AIR POLLUTION CONTROL
2200 CHURCHILL ROAD
SPRINGFIELD, ILLINOIS 62706

This Agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1039 Disclosure of this information is required under that Section. Failure to do so may prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

*DATA AND INFORMATION PROCESS EMISSION SOURCE	

*THIS INFORMATION FORM IS TO BE COMPLETED FOR AN EMISSION SOURCE OTHER THAN A FUEL COMBUSTION EMISSION SOURCE OR AN INCINERATOR. A FUEL COMBUSTION EMISSION SOURCE IS A FURNACE, BOILER, OR SIMILAR EQUIPMENT USED PRIMARILY FOR PRODUCING HEAT OR POWER BY INDIRECT HEAT TRANSFER. AN INCINERATOR IS AN APPARATUS IN WHICH REFUSE IS BURNED.

1. NAME OF PLANT OWNER:	2. NAME OF CORPORATE DIVISION OR PLANT (IF DIFFERENT FROM OWNER):
Waste Management of Illinois, Inc.	CID
3. STREET ADDRESS OF EMISSION SOURCE:	4. CITY OF EMISSION SOURCE:
138th & Calumet Expressway	Calumet City

GENERAL INFORMATION

5. NAME OF PROCESS:	6. NAME OF EMISSION SOURCE EQUIPMENT:	
Leachate/Industrial Wastewater Pretreatment	Sequencing Batch Reactor System	
7. EMISSION SOURCE EQUIPMENT MANUFACTURER:	8. MODEL NUMBER:	9. SERIAL NUMBER:

10. FLOW DIAGRAM DESIGNATION(S) OF EMISSION SOURCE:

11. IDENTITY(S) OF ANY SIMILAR SOURCE(S) AT THE PLANT OR PREMISES NOT COVERED BY THE FORM (IF THE SOURCE IS COVERED BY ANOTHER APPLICATION, IDENTIFY THE APPLICATION):

12. AVERAGE OPERATING TIME OF EMISSION SOURCE:	13. MAXIMUM OPERATING TIME OF EMISSION SOURCE:
24 HRS/DAY 5.5 DAYS/WK 52 WKS/YR	24 HRS/DAY 7 DAYS/WK 52 WKS/YR

14. PERCENT OF ANNUAL THROUGHPUT:
DEC-FEB 25 % MAR-MAY 25 % JUN-AUG 25 % SEPT-NOV 25 %

INSTRUCTIONS

1. COMPLETE THE ABOVE IDENTIFICATION AND GENERAL INFORMATION SECTION.
2. COMPLETE THE RAW MATERIAL, PRODUCT, WASTE MATERIAL, AND FUEL USAGE SECTIONS FOR THE PARTICULAR SOURCE EQUIPMENT. COMPOSITIONS OF MATERIALS MUST BE SUFFICIENTLY DETAILED TO ALLOW DETERMINATION OF THE NATURE AND QUANTITY OF POTENTIAL EMISSIONS. IN PARTICULAR, THE COMPOSITION OF PAINTS, INKS, ETC., AND ANY SOLVENTS MUST BE FULLY DETAILED.
3. EMISSION AND EXHAUST POINT INFORMATION MUST BE COMPLETED, UNLESS EMISSIONS ARE EXHAUSTED THROUGH AIR POLLUTION CONTROL EQUIPMENT.
4. OPERATING TIME AND CERTAIN OTHER ITEMS REQUIRE BOTH AVERAGE AND MAXIMUM VALUES.
5. FOR GENERAL INFORMATION REFER TO "GENERAL INSTRUCTIONS FOR PERMIT APPLICATIONS," APC-201.

DEFINITIONS

AVERAGE - THE VALUE THAT SUMMARIZES OR REPRESENTS THE GENERAL CONDITION OF THE EMISSION SOURCE, OR THE GENERAL STATE OF PRODUCTION OF THE EMISSION SOURCE. SPECIFICALLY:
AVERAGE OPERATING TIME - ACTUAL TOTAL HOURS OF OPERATION FOR THE PRECEDING TWELVE MONTH PERIOD.
AVERAGE RATE - ACTUAL TOTAL QUANTITY OF "MATERIAL" FOR THE PRECEDING TWELVE MONTH PERIOD, DIVIDED BY THE AVERAGE OPERATING TIME.
AVERAGE OPERATION - OPERATION TYPICAL OF THE PRECEDING TWELVE MONTH PERIOD, AS REPRESENTED BY AVERAGE OPERATING TIME AND AVERAGE RATES.

MAXIMUM - THE GREATEST VALUE ATTAINABLE OR ATTAINED FROM THE EMISSION SOURCE, OR THE PERIOD OF GREATEST OR UTMOST PRODUCTION OF THE EMISSION SOURCE. SPECIFICALLY:
MAXIMUM OPERATING TIME - GREATEST EXPECTED TOTAL HOURS OF OPERATIONS FOR ANY TWELVE MONTH PERIOD.
MAXIMUM RATE - GREATEST QUANTITY OF "MATERIAL" EXPECTED PER ANY ONE HOUR OF OPERATION.
MAXIMUM OPERATION - GREATEST EXPECTED OPERATION, AS REPRESENTED BY MAXIMUM OPERATING TIME AND MAXIMUM RATES.

RAW MATERIAL INFORMATION

NAME OF RAW MATERIAL	AVERAGE RATE PER IDENTICAL SOURCE	MAXIMUM RATE PER IDENTICAL SOURCE
20a. Landfill Leachate/Wastewaters	b. 37,360 LB/HR	c. 52,200 LB/HR
21a.	b. LB/HR	c. LB/HR
22a.	b. LB/HR	c. LB/HR
23a.	b. LB/HR	c. LB/HR
24a.	b. LB/HR	c. LB/HR

PRODUCT INFORMATION

NAME OF PRODUCT	AVERAGE RATE PER IDENTICAL SOURCE	MAXIMUM RATE PER IDENTICAL SOURCE
30a.	b. LB/HR	c. LB/HR
31a.	b. LB/HR	c. LB/HR
32a.	b. LB/HR	c. LB/HR
33a.	b. LB/HR	c. LB/HR
34a.	b. LB/HR	c. LB/HR

WASTE MATERIAL INFORMATION

NAME OF WASTE MATERIAL	AVERAGE RATE PER IDENTICAL SOURCE	MAXIMUM RATE PER IDENTICAL SOURCE
40a. Wastewater Treatment Sludge (Dry Wt)	b. 91 LB/HR	c. 174 LB/HR
41a.	b. LB/HR	c. LB/HR
42a.	b. LB/HR	c. LB/HR
43a.	b. LB/HR	c. LB/HR
44a.	b. LB/HR	c. LB/HR

*FUEL USAGE INFORMATION

FUEL USED	TYPE	HEAT CONTENT
50a. NATURAL GAS ☐	b. ———	c. 1000 BTU/SCF
OTHER GAS ☐	See Note Below	BTU/SCF
OIL ☐		BTU/GAL
COAL ☐		BTU/LB
OTHER ☐		BTU/LB

d. AVERAGE FIRING RATE PER IDENTICAL SOURCE: BTU/HR

e. MAXIMUM FIRING RATE PER IDENTICAL SOURCE: BTU/HR

*THIS SECTION IS TO BE COMPLETED FOR ANY FUEL USED DIRECTLY IN THE PROCESS EMISSION SOURCE, E.G. GAS IN A DRYER, OR COAL IN A MELT FURNACE. Note: Maximum of 840,000 Btu/Hr natural gas used as indirect heat source in sludge dryer

*EMISSION INFORMATION

NUMBER OF IDENTICAL SOURCES (DESCRIBE AS REQUIRED):

AVERAGE OPERATION

CONTAMINANT	CONCENTRATION OR EMISSION RATE PER IDENTICAL SOURCE		METHOD USED TO DETERMINE CONCENTRATION OR EMISSION RATE
PARTICULATE MATTER	52a. GR/SCF	b. < 0.1 LB/HR	c. Estimate
CARBON MONOXIDE	53a. PPM (VOL)	b. < 0.1 LB/HR	c. Estimate
NITROGEN OXIDES	54a. PPM (VOL)	b. < 0.1 LB/HR	c. Estimate
ORGANIC MATERIAL	55a. PPM (VOL)	b. < 0.1 LB/HR	c. Estimate
SULFUR DIOXIDE	56a. PPM (VOL)	b. < 0.1 LB/HR	c. Estimate
**OTHER (SPECIFY)	57a. Volatile Priority Pollut PPM (VOL)	b. < 0.08 LB/HR	c. Mass Balance

MAXIMUM OPERATION

CONTAMINANT	CONCENTRATION OR EMISSION RATE PER IDENTICAL SOURCE		METHOD USED TO DETERMINE CONCENTRATION OR EMISSION RATE
PARTICULATE MATTER	58a. GR/SCF	b. < 0.1 LB/HR	c. Estimate
CARBON MONOXIDE	59a. PPM (VOL)	b. < 0.1 LB/HR	c. Estimate
NITROGEN OXIDES	60a. PPM (VOL)	b. < 0.1 LB/HR	c. Estimate
ORGANIC MATERIAL	61a. PPM (VOL)	b. < 0.1 LB/HR	c. Estimate
SULFUR DIOXIDE	62a. PPM (VOL)	b. < 0.1 LB/HR	c. Estimate
**OTHER (SPECIFY)	63a. Volatile Priority Pollut PPM (VOL)	b. < 0.06 LB/HR	c. Mass Balance

*ITEMS 52 THROUGH 63 NEED NOT BE COMPLETED IF EMISSIONS ARE EXHAUSTED THROUGH AIR POLLUTION CONTROL EQUIPMENT.
**"OTHER" CONTAMINANT SHOULD BE USED FOR AN AIR CONTAMINANT NOT SPECIFICALLY NAMED ABOVE. POSSIBLE OTHER CONTAMINANTS ARE ASBESTOS, BERYLLIUM, MERCURY, VINYL CHLORIDE, LEAD, ETC.

***EXHAUST POINT INFORMATION

64. FLOW DIAGRAM DESIGNATION(S) OF EXHAUST POINT:
See flow schematic April "90", Pg. 7

65. DESCRIPTION OF EXHAUST POINT (LOCATION IN RELATION TO BUILDINGS, DIRECTION, HOODING, ETC.):
See Plans April "90", Pg. 2, 3, 19

66. EXIT HEIGHT ABOVE GRADE:	67. EXIT DIAMETER:
6 to 36 feet	Varies 6" to open top tanks
68. GREATEST HEIGHT OF NEARBY BUILDINGS: 25± FT	69. EXIT DISTANCE FROM NEAREST PLANT BOUNDARY: 200 ft. ± FT
AVERAGE OPERATION	MAXIMUM OPERATION
70. EXIT GAS TEMPERATURE: Ambient (≤90) °F	72. EXIT GAS TEMPERATURE: Ambient (≤90) °F
71. GAS FLOW RATE THROUGH EACH EXIT: < 1 to 4000 ACFM	73. GAS FLOW RATE THROUGH EACH EACH EXIT: < 1 to 4000 ACFM

***THIS SECTION SHOULD NOT BE COMPLETED IF EMISSIONS ARE EXHAUSTED THROUGH AIR POLLUTION CONTROL EQUIPMENT.